



the **RARRA RAG**

Published by

ROCHESTER AMATEUR RADIO ASSOCIATION, INC.

VOL. 57

NOVEMBER 2004

NO.3

AUCTION TIME

Larry Wallnau, W2ZEY

Circle November 5 on your calendar! Break your bank and bring all your dimes, quarters and dollars. This meeting is the Annual RaRa Auction. Gather the rigs and accessories you no longer use and turn them into cash. Bid on treasures and pick up some bargains. Trust me, I am not exaggerating. Last year we witnessed some great buys. For example, there was a Collins 30L-1 linear amp that had been recently serviced and brought to specs. It sold for only \$200 – less than the cost of its new tubes! A Vibroplex bug in pristine condition went for a bargain price, too low to publish in print. And there were some fine classics in fabulous shape, including a Hammarlund HQ-140-XA, a complete Knight Kit station (T150, R100, and accessories), and a Heathkit transceiver with a power supply and scope, all which had sold for a few rubles. Folks found deals on coax, antennas, computer

CONTINUED AUCTION PAGE 3

RaRa

MEETING

NOVEMBER 5, 2004

7:30 PM

(DOORS OPEN AT 6:30 PM)

HENRIETTA FIRE HALL

3129 E. HENRIETTA RD.

ANNUAL AUCTION

AUCTIONEERS:

Ed Gable, K2MP

Dick Goslee KG2I

(members may bring a guest)

ARLB030 FCC Adopts New BPL Rules

ZCZC AG30

QST de W1AW

ARRL Bulletin 30 ARLB030

From ARRL Headquarters

Newington, CT October 15, 2004

To all radio amateurs

SB QST ARL ARLB030

ARLB030 FCC Adopts New BPL Rules

Meeting October 14 in open session, the FCC adopted revised Part 15 (unlicensed services) rules to specifically regulate broadband over power line (BPL) systems. Specifics of the new rules in a Report and Order in ET Docket 04-37 won't be known for a few weeks. In comments before voting, three members of the Commission, including Chairman Michael K. Powell, specifically mentioned the concerns of Amateur Radio operators and expressed either assurances or hope that the new BPL rules will adequately address interference to licensed services. Republican FCC Commissioner Kevin Martin addressed Amateur Radio's and broadcasters' interference concerns in his written statement. ARRL President Jim Haynie, W5JBP, said he was encouraged to see the Commission acknowledge interference to Amateur Radio as a genuine issue in the BPL proceeding.

"What the League has done in the last year and a half on this issue showed in the Commission's public meeting today," Haynie said. He cited the FCC's approval of three major points that the League had been pushing for: Certification of BPL equipment instead of verification, a requirement for a public BPL database--something the BPL industry did not want--and mechanisms to deal swiftly with interference complaints.

CONTINUED BPL PAGE 4

RaRa RAG 1

the RARA RAG

Published by

ROCHESTER AMATEUR RADIO ASSOCIATION, INC.

P.O. Box 93333, Rochester, NY 14692-8333

RARA Hotline 442-0587 Website: www.rochesterham.org

Editor.....Raymond R. Pickens WA2MYG
215 Mystic Lane Rochester, NY 14623-5426 (585) 334-8724
Internet: wa2myg@frontiernet.net
Managing Editor.....Larry B. Wallnau W2ZEY
742 Stone Rd. Pittsford, NY (585) 389-1926
Internet: contax2@rochester.rr.com
Assistant Editor.....George E. Platteter AA2FO
Advertising Manager.....Dick Goslee KG2I
Internet: rgoslee@rochester.rr.com (585) 334-1762

VOL. 57 NOVEMBER 2004 NO.3

OFFICERS:

President: Brad Armstrong, W1YX.....1(315)-986-8638
Internet: w1yx@arrl.net
Vice-President: Tim Magee, WB2KAO.....865-0384
Internet: wb2kao@yahoo.com
Secretary: Bill Kasperkoski, WB2SXY.....334-7640
Internet: wb2sxy@arrl.net
Treasurer: George Masny, KA2GPJ.....377-7853
Internet: ka2gpj@arrl.net

BOARD OF DIRECTORS:

George Platteter, AA2FO.....334-4488
Internet: aa2fo@localnet.com
Keith Freeberg, N2BEL.....254-0722
Internet: n2bel@frontiernet.net
Mike Toombs, KB2WPT.....328-2617
Internet: kb2wpt@arrl.net
Bill Hopkins, AA2YV.....586-5009
Internet: wlhopkin@naz.edu
Peter Fournia, W2SKY.....377-0535
Internet: pfournia@rochester.rr.com
Doug Howard, KC2KNH.....425-2731
Internet: Doug.Howard@usa.xerox.com
Raymond Pickens, WA2MYG334-8724
Internet: wa2myg@arrl.net

Club Historian: Ed Gable, K2MP
License Testing Director: Cheryl Joyce, AB2NU
Membership Chairman: George Masny, KA2GPJ
Hamfest General Chairman: Harold Smith, K2HC
Media Communicants: Larry Wallnau, W2ZEY
Public Service: Keith Freeberg, N2BEL
License Class Director: Raymond Pickens, WA2MYG
Awards: Greg Michels, KC2GXV
Education Director: Peter Fournia, W2SKY
Web Page Administrator: Peter Fournia, W2SKY
RaRa Directory Editor: Dick Goslee, KG2I
Club Station Trustees:
K2JD, Edwin Holdsworth, N2EH
W2EOC, Brad Armstrong, W1YX

The *RaRa RAG* (USPS 605-440) is published monthly except July and August by the Rochester Amateur Radio Association, Inc., 24 Elaine Drive Rochester, NY 14623. Subscription is \$5.00 per year (included in the annual membership dues and may not be purchased separately). Periodicals postage paid in Rochester, NY.
POSTMASTER - Send address changes to The *RaRa RAG*, P.O. Box 93333, Rochester, New York 14692-8333.
Full permission is granted for reprinting articles provided a credit line is given to the *RaRa RAG*. The *RAG* exchanges, with other organizations' publications.

RARA RAG 2

Prez Sez...

Brad, W1YX. President

The summer season of amateur radio public service is drawing to a close. In looking back at this year's many events, I am pleased by the showing amateur radio has made in our community and beyond. Our members have demonstrated their ability to provide communications when nothing else will do. They have shown a willingness to provide whatever support is necessary, under whatever conditions are present. No matter how small your contribution may have seemed to you at the time, I can tell you that we are making a positive impression in our entire region in this way.

In particular I'd like to thank Keith Freeberg for taking on the challenge I presented him with his appointment as Public Service Committee Chairman. He has continued the tradition RaRa has for offering strong communications support to whatever organizations have a desire for it. He has also used his skills and ideas to improve and manage things in ways I couldn't have imagined. Every time you see Keith, let him know what a good job you think he's doing. He, and his staff of energetic volunteers, put a great deal of professional quality volunteer time into organizing and operating these events. I'm sure a few words of praise would go a long way toward preparing them for next season!

Another note, I'm really looking forward to this year's auction. If the past few years are any indication their should be some good items for sale and some great bargains to be had. Also of note is that the Club has obtained some donations from SK estates over the last several months. The efforts of some pretty dedicated RaRa members have been brought to bear to collect and prepare these items for sale. Please support the organization by bidding early and often on the special donation to the Club items that will be present at this year's auction. Don't forget that the doors open at 6:30 for viewing...

The library book fund drive is going well. We have received almost enough to cover the cost of the first set of books, already donated to the Webster Public Library. I have word from Don Dunn, architect of the donations, that the books at Webster have already seen some use. We have received national publicity for this donation as well. Check out page 91 of the

CONTINUED PREZ SEZ PAGE 9

Estate Items for Sale

At RaRa Auction

Among many other items for sale at the upcoming annual RaRa Auction Night, November 5, gear from the estate of Dave Stewart, Silent Key K2ZCD will be sold. Documentation is available for most large items. More specific information will be available at the auction. Members of RaRa disassembled the station for the surviving family.

Henry HF Amplifier (2K CW, 1K SSB)
Rohn 49ft. fold-over tower w/ rotor, control box and guy wires
TA33 tri-band beam
Yaesu LL-5 Phone Patch
Heathkit Equipment: (SB401 xmtr; SB301 rcvr; SB610 monitor scope; HD15 Phone Patch; HWA5400 (with power supply)
Vibroplex bug; hand key; Alpha Delta coax switch; code practice oscillator; other misc. items

CONTINUED FROM AUCTION PAGE 1
parts, tools, power supplies, microphones, software, antenna tuners, SWR meters, and more. *Remember, the auction is for a good cause.* For every item sold, RaRa gets a small commission. If you wish, you may even donate the entire proceeds of the sale of your equipment to the club.

Ed Gable (K2MP) will return as auctioneer and he will be joined by Dick Goslee (KG2I). These guys will team up to show us all a fine time. You just never know what will happen. Last year matching foot and back massagers ended up on the auction block and the audience roared when the same person bid on and won both. And who can forget the revered and feared Wouff Hong that turned up? After Ed Gable regaled us with the history and significance of the dubious award from ARRL, it too was snatched after vigorous bidding. The firehouse doors open early – at 6:30 PM – so you can put your equipment on display. It also will give everyone time to check out the bounty others have brought. The bidding begins at 7:30. Support your club!



RaRa NEEDS YOUR HELP

George Masny KA2GPJ

At a recent RaRa Board meeting, we were racking our brains trying to come up with programs for the fall meetings. We have put on so many good shows that it is becoming difficult to improve on what is being presented. The question of the night was, "what would members be interested in?" So, please let us know what your interests are. Better yet, come to the Board meeting and help discuss the direction of the club. This is an open meeting intended to handle club business, held on the RIT campus, B-76 on the Wednesday following the General Membership meeting, starting at 7:30PM and lasting approximately two hours. Most of what goes on is rehashing old business and telling of tall tales. Everyone likes to do that, right? Somewhere during the agenda we throw around ideas and come up with a program. We invite you to join us.

You can help in two other ways. Please renew promptly when you receive the renewal form. Better yet, send the dues in just before the expiration. Or, if you choose to not renew, (*why?*) please let us know that too. We need to know what we might be doing wrong. On the flips side – if you have positive comments, please share those too!! Keeping your membership current goes a long way in cutting down mailing expenses and a lot of the work in processing the renewal forms and including.

Finally, check your mailing address on the label. Please make sure we have your current E-mail address. If anything is incorrect, please let us know immediately. It is a real drag to get mail returned!

AMATEUR RADIO LUNCHEON

Ray Pickens WA2MYG

To all who can arrange their schedule? You are welcome to attend the last Friday of the Month (Unless it falls on a holiday) luncheon at the Ridge Rd. West Old Country Buffet located in Stone-Ridge Plaza 12:00 noon + or -. The next luncheon November 26, 2004

NEXT RAG DEADLINE 11/15/2004

Anh Wride of the FCC Office of Engineering and Technology (OET), outlined the draft R&O and acknowledged that Access BPL devices "pose a somewhat higher potential for interference to licensed radio services than typical Part 15 devices." But, Wride went on to say, "we believe the specific benefits of BPL warrant acceptance of a small degree of additional risk, and that this interference potential can be satisfactorily managed."

Commissioner Michael Copps, a Democrat, said he remains concerned about interference to Amateur Radio users. "I take the concerns of this community very seriously and believe that the FCC has an obligation to work hard to monitor, investigate and take quick action, where appropriate, to resolve harmful interference."

Copps said if interference occurs, "we must have a system in place to resolve it immediately," and he expressed the hope that the new rules would include such "rapid turnaround" provisions. Copps, who dissented in part with the R&O, raised the question of whether utility ratepayers should have to "subsidize an electric power company's foray into broadband."

The Commission's other Democrat, Jonathan S. Adelstein, said the interference question made the proceeding a challenging one because it had to accommodate concerns raised by Public Safety licensees, federal government users and Amateur Radio operators. "These are important services that we need to protect from harmful interference," Adelstein said.

Adelstein also said that while it's clear that some BPL systems can co-exist with existing licensees, others "haven't fared so well." He said those systems shouldn't be deployed commercially until it's assured that they won't cause harmful interference.

Commissioner Kathleen Abernathy, a Republican, said the FCC had to "make some hard compromises" to deal with questions about interference. But she expressed confidence in "technical solutions."

Chairman Powell called it "a banner day" for communications in the US because, he said, BPL promises "ubiquitous service to all Americans at affordable rates." The chairman, a Republican, conceded that BPL will affect some spectrum users—including "all those wonderful Amateur Radio operators out there." Powell said the FCC has taken Amateur Radio

interference concerns seriously from the start and has taken care to ensure that protections are in place "to allow that service to continue." At the same time, Powell implied that the FCC must balance the benefits of BPL against the relative value of other licensed services.

"But let me underscore the potential for the American economy is too great, too enormous, and too potentially groundbreaking to sit idly by and allow any claim or any possible speculative fear keeps us from driving this technology and drive America into the broadband future."

ARRL CEO David Sumner, K1ZZ, suggested that Powell was overstating the necessity of yet another broadband pipeline. "It's astonishing to me that the chairman of the FCC can talk about needing a 'third way' to provide broadband to consumers when multiple technologies already are available, including wireless broadband," he said.

RaRa Rag 20 Years Ago, November 1984

Ed Gable K2MP

The November program then, as now, was the annual RaRa Auction with Ed Gable, K2MP and Ron Jakubowski, K2RJ as auctioneers. The venue was the Police and Fire Academy on Scottsville Road. Ron Jakubowski was a busy chap these days as this issue of the *Rag* also announced Ron's activity as RARRA's technical director. Under Ron's direction the repeater club held its annual FM clinic at the usual Pittsford Town Hall location. RaRa president Ray Roberts, WA2SSU, wrote in his *President's Corner* a plea to all to get out the membership. Ray has a goal to have the membership level hit the 1000+ level. Not too far of a stretch as the current membership was over 800. At this time RaRa was conducting monthly amateur examinations at 111 Westfall Road using the Metroplex VEC. The VE coordinator was John Schooley, K2NC. DX news in the *Rag* was (and remains) a pretty rare item except for this issue where W2FGY penned a long report on current DX news. He reported that San Felix, CE0AA, and reports of a pending ZA (Albania) operation were the talk of the air waves. In November many late model automobiles were hitting the market and the roadways with happy hams aboard. That is

until they installed mobile rigs and started to cause no end of RFI to fancy new processor controlled engine management systems. Toyota and Subaru seemed to be the worse offenders with the latter company finally putting out ill conceived advisory telling amateurs to use shielded antennas! Sadly, Vincent J. Lapp, W2FN, was reported as a silent key. A continuing advertiser was the Heathkit Electronic Center at 937 Jefferson Road. From the Want Ads you could buy a Ten-Tec 544 digital, with CW filter and power supply, for \$320.00, from Jim, W2PZN.

ARRL Awards checked locally

Ed Gable K2MP

Most of the popular ARRL operating awards; WAS, VUCC and DXCC, can now be checked locally with no need to send your precious QSL cards off to Newington and ARRL Headquarters. Simply fill out the application form (downloadable at www.arrl.org) and get your cards to Ed Gable, K2MP, at almost any RaRa or RDXA Meeting. Contact Ed ahead of time for details at (585) 392-3088 or egable@rochester.rr.com

SUPPORT YOUR LOCAL REPEATERS

RaRa License Class

Ray Pickens WA2MYG

The September RaRa Amateur Radio License Class will begin on September 20, 2004 & end on December 13, 2004 in building 78 room 1235 on the RIT Campus at 7:00 PM, details can be found on the RaRa web site www.rochesterham.org with exams to be taken at the December 18, 2004 RaRa VE session.

Currently there are 16 students enrolled in the license class 9 in the CW/Technician Theory, 4 in the General theory, & 3 in the Extra Theory.

RaRa HOTLINE
(585) 442-0587 24X7

Public Service Report

Keith Freeberg N2BEL

This has been a dreary summer in some ways but not from the perspective of the cheerful Ham Ops who graciously volunteered many hours to keep our community in good stead and their skills sharp. Public Service Events are winding down as the 'cooler' settles in denoting the progression of the seasons.

The most recent Public Service Event, prior to the publication deadline, was the Walk for Diabetes in Ellison Park. The Walk, now dedicating all its critical communications to Ham Radio for over a decade now, is an easy half-day assignment. Well, maybe not this year.

It rained steadily as Ham Ops posted themselves along the four mile trail in Ellison, some deep in the brushy trails, ready for the first (and last) Walkers to come by and move on safely. Many were ready for the rain with plastic bags to protect their radios from the dampness and visions of hot chocolate, that await them at trails end, to keep them warm. Wouldn't you just know that the sun would start shining brightly just as the last walkers returned to the start/finish line?

For many of our Ops this was their first time operating from the depths of the park and overcoming the challenges of it's RF 'black hole.' Thanks to the help of some early rising Hams, KB2SOZ, KC2DQN & KC2IQV, there was a canopy provided to keep Net Control dry and a 30-foot mast with gain antenna to assume a smooth RF path.

To all the operators that spent their Saturday morning in the wet; KB2SOZ, K2SQI, AB2OY, WB2UTI, W1YX, K2DPC, KC2GXV, KC2JYD, AB2NM, KC2IQV, N2JAC (bike mobile), K2KYW, KC2DQN, N2KXS and KC2LOC, my deepest appreciation.

A picture of the assembled team appears below. Not pictured, N2BEL, behind the camera and at Net Control for the event.



RARA RAG 5

IS THIS YOUR LAST ISSUE OF THE RAG?

The membership period for RaRa starts the first of September each year and continues through the end of August the following year. The final membership expiration each year is October 31, which includes a 2 month grace period for payment of your dues. Check the address label on your current issue of the RAG for your expiration date. If it shows OCT. 2004, your dues have not yet been received for the year 2004-2005, and this will be your last issue of the RAG. You must be a current member of RaRa to participate in the auction at the November meeting so now is a good time to send your check.

You may pay your dues at the November Auction or any RaRa meeting or send them along with your completed membership application to RaRa, P.O. Box 93333, Rochester, NY 14692-8333.

XARC Fox Hunt Results

Peter Fournia, W2SKY

Another successful and fun hidden transmitter hunt was hosted October 9th by the Xerox Amateur Radio Club. Fourteen people hunted while hunt masters Larry Lavery, WW2J and Peter Fournia, W2SKY enjoyed manipulating the game.

This was the second fox hunt sponsored by XARC this year. The hunt started at Harris Hill Park located at Penfield Rd. and Rt. 250. The transmitter was hidden in Tryon Park just east of Rt. 590. It was deep into the Irondequoit Valley a little South of Empire Blvd. Propagation was highly shaped by the surrounding hills. The weather was dry, comfortable and the walking path to the fox was wide and easy. All Participants enjoyed reviewing their skillful decisions and their Unlucky breaks during lunch at the "Golden Fox Restaurant" on Culver Rd. In Rochester. Each participant received an 8 x 10 glossy certificate With their team picture on it.

Jon Dickason, N2JAC and non-ham friend Rob Scott won 1st place. Brian Donovan, K2AS won 2nd. The RIT team of Dave Shaw, KB2URD with Chris won 3rd place.

Thanks to Jon, N2JAC for getting a brief

RaRa

Amateur Radio

License Testing

All Elements Needed To Complete
a License Class

Saturday November 20, 2004

Contact Cheryl Joyce AB2NU

For any special needs (585)-533-9252

Registration - 8:30 AM

Testing - 9:00 AM

Room 2150, Building 76

(Park in Lot F)

Rochester Institute of Technology

1 Lomb Memorial Drive

Rochester, NY 14623

article into the D&C. XARC will host another fox hunt next year. As usual, they are open to everyone, non hams included. Get you club or group to join the fun. Some members are willing to host a fox hunt hands-on seminar with groups wishing to get ready for next year. You need a HT, a method of attenuation and knowledge of the body fade technique. More on the fox hunt with pictures are on the XARC web site at www.ggw.org/xarc.

RRRA Annual Tune-up Clinic

Jim Ditucci N2IXD

Rochester Radio Repeater Association Meeting

Friday, November 19, 2004 - 8:00 PM

Pittsford Town Hall

Basement meeting room (parking in rear of building)

Main Street, Rt. 96 in Pittsford

Does your rig sound a little scratchy? Is it time for a new mobile transceiver? Does your HT have a hard time hitting local repeaters?

Bring your distressed HT and mobile units for an on-the-spot quick analysis of your rig's performance. Bob, N2HJD, and crew will once again offer their services to help you better understand the performance of your equipment. Don't forget to charge your batteries beforehand or bring an external power connector. If you have them, bring service manuals and schematics too. First come, first served,



Cheryl Joyce
Sales Agent, AB2NU

cjoyce@nothnagle.com

5820 Big Tree Road • Lakeville, NY 14480

20:15 NEWSLINE (+ OR- depending on the length)
20:45 K2KWK Hilltop Bulletins
21:00 Monroe County FM Net
21:25 NEWBIE NET (+ or – depending on FM net length)
These Nets alternate between the K2SA/R (146.19/79) and the K2RRA/R (146.28/88) with the N2HJD/R system linked.

[illegible]

RARA RAG 7

Media Communications: Check Out the November Issue of *QST*

Larry Wallnau, W2ZEY

What would I do without Don Dunn, AB2NM? First, he spearheaded the donation of the ARRL book collection to the Webster Library. Then he contacted Joel Kleinman, N1BKE, Managing Editor of *QST* to boast about our club. Subsequently, Joel contacted me for jpeg images of the library event. The following email was received recently by Don Dunn:

"Don,

As it happens... you have something to look forward to in another couple of weeks. You'll want to take a gander at page 91 of November *QST*.

73, Joel

Joel P. Kleinman, N1BKE
Managing Editor, *QST* "

When you see Don, give him an "atta boy" for making my job much easier. And check out page 91.

KODAK A.R.C VE TESTING (W5YI VEC)

Ray Pickens WA2MYG (Contact Person)

As of this writing the Kodak VE testing team will be operating on a new schedule every 4 months, the next session will be on November 4, 2004 17:30 Building 28 (Theater on the Ridge) at Kodak Park.

Park in the lot next to the building at the barrier press the HELP Button & tell the guard you are here for the Radio exam & he will rise the barrier

If there is a need for a group of Applicants such as a class or club to have a special VE session Please notify me via email wa2myg@arrl.net or By phone (585)334-8724 And I will make every effort to arrange it.

SUPPORT OUR ADVERTISERS



RARA RAG 8

Support Your Local Repeater

Ross Mazzola, KC2LOC

Have you ever used your radio for a short rag chew while traveling back and forth to work? Did you ever use an autopatch to make a phone call from your radio? Do you listen to K2KWK's "Hilltop Report" or check-in to the Monroe County FM Net on Sunday nights? If you have, chances are you were using the services of the 146.79 MHz and 146.88 MHz repeaters in our area. But have you ever stopped to think about how those repeaters first got on the air and how they stay on the air? I did, so I spoke with Rick Booth (K2SA) of the Genesee Repeater Association (GRA) and Ray Pickens (WA2MYG) control operator of the Rochester Radio Repeater Association (RRRA) to find out.

GRA is the organization responsible for the K2SA/R repeaters on 146.79 MHz and 443.7 MHz. Rick explained that it takes lots of time, effort, planning and equipment to put a repeater on the air. It also takes a lot of money to keep a repeater on the air. For example, it costs GRA over \$1147 per year for insurance and rental of the land that the repeater sits on. It costs another \$780 per year to pay electrical and telephone bills. In total, it costs GRA over \$2200 per year to keep the repeaters operational and available at no charge to any amateur who wants to use it. Ray told me a similar story about the K2RRA/R repeater system on 146.88 MHz and 442.700 MHz. During the fiscal year July 1, 2003 thru June 30, 2004, RRRA spent over \$1700 in operating expenses. That includes phone bills (3 phones), postage and parts when needed for both repeaters. Since the K2RRA/R repeater is the local ARES/RACES repeater system, no rent is paid for the repeater sites themselves. However, Ray explained that over \$5,000.00 has been spent over the past 1-1/2 years for repeater upgrades.

GRA
PO # 69
North Chili, NY 14514-0069

RRRA
PO # 92031
Rochester, NY 14692-0031
www.rrra.5u.com

As you can see, it takes a fair amount of

money to operate the K2SA/R and K2RRA/R repeater systems. These repeaters and most of the other "open" repeaters that we use every day are financed primarily by donations from amateur radio operators like you and me. So for the cost of a few cables, take the time right now and please make a donation to your favorite repeater. Every little bit helps!

CONTINUED FROM PREZ SEZ PAGE 2

November issue of QST Magazine and you'll see what I mean! Please keep the donations coming, so we can purchase additional sets to be donated to other local libraries within the Monroe County Library System. Bring your donations to the meeting or send them to the Club Treasurer, George Masny, KA2GPJ. If you mail them to RaRa's address, PO Box 93333, Rochester, NY 14692-8333, he'll be sure to receive them. Don't forget to notate clearly that they are for the library book fund if you send them to George. More information on the library sets can be found at <http://www.arrl.org/FandES/field/club/libbookset.html>

RaRa AUCTION 2003



AMATEUR RADIO BULLETINS

Dwight Hill K2KWK

Amateur radio voice bulletins are available to local hams on the VHF-FM and UHF-FM bands twice a week. Anyone with a FM ham set or a scanner can receive them. Hams can keep up-to-date. Those wishing to become hams can find out when classes and exam session are held. A schedule of Hamfests is included for those wishing to socialize and browse

On Sunday nights, bulletins and the Monroe County FM Net are held to keep the local gang informed and to test equipment. Bulletins begin around 8:20pm with the "Newsline 2004-2005" brought by Ray, WA2MYG. They continue with the "Hilltop Bulletin" from Dwight, K2KWK at 8:45pm. These weekly features alternate from Sunday to Sunday on local repeaters. When they appear on the 146.88 system of the RRA, they are also linked to the mega-repeaters of Bob, N2HJD on nine amateur bands. On the alternate Sundays they use the K2SA repeater of The Genesee Repeater Association on 146.79.

Tuesday bulletin sessions begin at 8:00pm with the same features from WA2MYG and K2KWK. They appear on the Bristol Mtn. repeater, WR2AHL, 145.110 (pl tone 110.9 required) of Mike, W2HYP. That is linked up full time to the repeater of Greg, KE2VW, operating on 146.67 (pl tone 107.2 required) from a very high location south of the communities of Dunkirk and Fredonia. These two systems enable hams from Syracuse to Erie, PA to hear bulletins that include selected stories from the ARRL Letter and ARRL web site.

News items of interest to radio amateurs are welcome and can be sent to K2KWK at <k2kwk@arrl.net>. ARRL Bulletin Stations in Western New York include John, WA2U in the Syracuse area who also sends out voice bulletins in his Central NY Bulletin Service Sundays and Tuesdays. Listeners can reach him by email at <WA2U@arrl.net>

RaRa's Domain Name

www.rochesterham.org

Are you a Rochester ham? Bug our website monthly to checkout on the most current events. Note rochesterham is one word.

LET US HELP YOU PATENT YOUR INVENTION

HOWARD J. GREENWALD, P.C.
349 West Commercial Street, Suite 2490
East Rochester, New York 14445
Telephone: (585) 387-0285

Howard J. Greenwald, AB2HD, Patent Attorney
John M. Hammond, P.E., Patent Agent, Chemical Engineer
Peter J. Mikesell, Ph.D., Patent Agent, Chemist
Robert D. Gunderman, P.E., Electrical Engineer

NO CHARGE TO RaRa MEMBERS FOR CONSULTATION

GLEN WOOD SALES

594 HAGUE STREET
ROCHESTER, NY 14606

HOURS:
M-F 9:00 AM - 5:00 PM

PH: (585) 328-1600
FAX: (585) 328-3630

ELECTRONIC
COMPONENT PARTS

(NEW AND NEW SURPLUS)

I LARGE SELECTION
I HIGH QUALITY
I LOW PRICES
I IN-DEPTH INVENTORY

WE STOCK THE FOLLOWING:

AC CORDS
CAPACITORS
COAX CABLE
CONNECTORS
DIODES
ENCLOSURES
FANS
FUSES
FUSEHOLDERS

ICS
LAMPS
LED'S
MOTORS
POTENTIOMETERS
RELAYS
RESISTORS
SCR'S
SHRINK TUBE

SOLDER
SWITCHES
TRANSISTORS
TRIACS
TRIM POTS
VARIABLE CAPS
WIRE/CABLE
ZENER DIODES
LOTS MORE!

TRY GLENWOOD FOR ALL YOUR COMPONENT REQUIREMENTS

FULL LINE DISTRIBUTORS FOR

NTE	Replacement Semi's	TYTON	Cable Ties
PRB	VCR Belts & Accy	PROTEK	Test Gear
GC/THORSEN	Tools & Chemicals	MUELLER	Test Leads
SL WABER	Outlet Strips +	GOLDSTAR	Test Gear
WAH L	Soldering/Drilling	PALADI N	Tools
	Tools & Accy		

Search our Inventory at www.glenwoodsales.com